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Electronic Patent Application Submission

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Application ID: 10772153
Title of Invention: Roller Cone Bit Design Using Multi-Objective Optimization
First Named Inventor: Shilin Chen
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TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	Roller Cone Bit Design Using Multi-Objective Optimization	
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Date:	2004-02-04	
First Named Applicant:	Shilin Chen	
Confirmation Number:	1857	
Attorney Docket Number:	SC-03-01	
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Submitted by:	Elec. Sign.	Sign. Capacity
N. Elizabeth Pham Registered Number: 49042	N. Elizabeth Pham	Attorney
Documents being submitted us-ids	Files SC-03-01.ids-usidst.xml us-ids.dtd us-ids.xsl	
Comments		



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

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Search string:	(1209299 or 1263802 or 1394769 or 1847981 or 2117679 or 2122759 or 2132498 or 2165584 or 2230569 or 2496421 or 2728559 or 2851253 or 4056153 or 4187922 or 4334586 or 4343371 or 4393948 or 4408671 or 4427081 or 4611673 or 4627276 or 4657093 or 4815342 or 4848476 or 5137097 or 5197555 or 5216917 or 5224560 or 5305836 or 5311958 or 5318136 or 5341890 or 5370234 or 5372210 or 5394952 or 5415030 or 5416697 or 5421423 or 5704436 or 5715899 or 5730234 or 5767399 or 5794720 or 5812068 or 5813480 or 5813485 or 5839526 or 6002985 or 6012015 or 6021377 or 6044325 or 6057784 or 6095262 or 6109368 or 6213225 or 6241034 or 6401839 or 6412577 or 6527068).pn.																																																																																				
<h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>1209299</td><td>1916-12-19</td><td>Hughes</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>1263802</td><td>1918-04-23</td><td>Reed</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>1394769</td><td>1921-10-25</td><td>Sorensen</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>1847981</td><td>1932-03-01</td><td>C.E. Reed</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>2117679</td><td>1938-05-17</td><td>C.E. Reed</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>2122759</td><td>1938-07-05</td><td>F.L. Scott</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>2132498</td><td>1938-10-11</td><td>H.C. Smith</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>2165584</td><td>1939-07-11</td><td>H.C. Smith</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>2230569</td><td>1941-02-04</td><td>J.H. Howard et al.</td><td></td><td></td><td></td></tr></tbody></table>						init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	1209299	1916-12-19	Hughes					2	1263802	1918-04-23	Reed					3	1394769	1921-10-25	Sorensen					4	1847981	1932-03-01	C.E. Reed					5	2117679	1938-05-17	C.E. Reed					6	2122759	1938-07-05	F.L. Scott					7	2132498	1938-10-11	H.C. Smith					8	2165584	1939-07-11	H.C. Smith					9	2230569	1941-02-04	J.H. Howard et al.			
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Remarks

Note: Remarks are not for responding to an office action.

The accompanying form PTO-1449 lists one or more documents which may be considered material to the examination of this application. Applicant reserves the right to establish the patentability of the claimed invention over any of the listed documents should they be applied thereagainst as references, and/or to prove that some of these documents may not be prior art, may not be within an analogous field of art, and/or may not be enabling for the teachings they purport to offer. This statement should not be construed as a representation that an exhaustive search has been made, nor that more material information does not exist. The Examiner is specifically requested to conduct an independent and thorough review of the documents, and to form his own opinions as to the significance of those documents to patentability of the claimed inventions, regardless of any of the foregoing statements concerning the significance of the references. The foregoing statements are made in good faith, and in compliance with the duty of disclosure; but they cannot substitute for the Examiner's specialized expertise, nor are they intended to derogate from the Examiner's official duty to assess patentability. It is also respectfully noted that the submission of this material is not intended to displace the Examiner's professional ability and duty to search. Indeed, the Examiner is specifically requested not to rely on the materials submitted herewith, but to conduct a full and independent search. It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, to indicate in the file of this patent application that the documents have been considered.

Signature

Examiner Name	Date